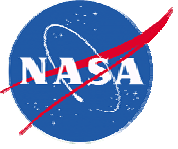# Computing Environments and Technology Branch Code 585

Branch Technical Status Report
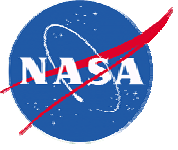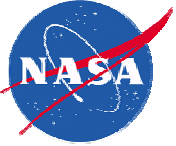
August 26, 2004

Agenda

- ESDIS Networking and Security
  Clayton Sigman

- CET Project Status Overview
  Howard Eiserike

CET Project Status

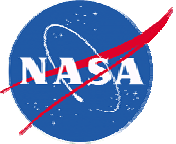Howard Eiserike

Staff Transitions

- 3 changes in FTE total
  - Herb Durbeck - retirement (-1.0 FTE)
    - Project: Code 930 Networking
    - Support Type: Telecom
    - Business Type: ISE-Primary Work, Standard
  - Amy Fedorchak - transfer from Code 547 (.8 FTE)
    - Project: "Full Cost" Cost Proposal Application
    - Support Type: INST
    - Business Type: ISE-Primary Work, Standard
  - Chiu Yeung - freshout hire (1.0 FTE)
    - Project: GMSEC in-house Team
    - Support Type: Arch
    - Business Type: AISE-Unique

Staffing Overview
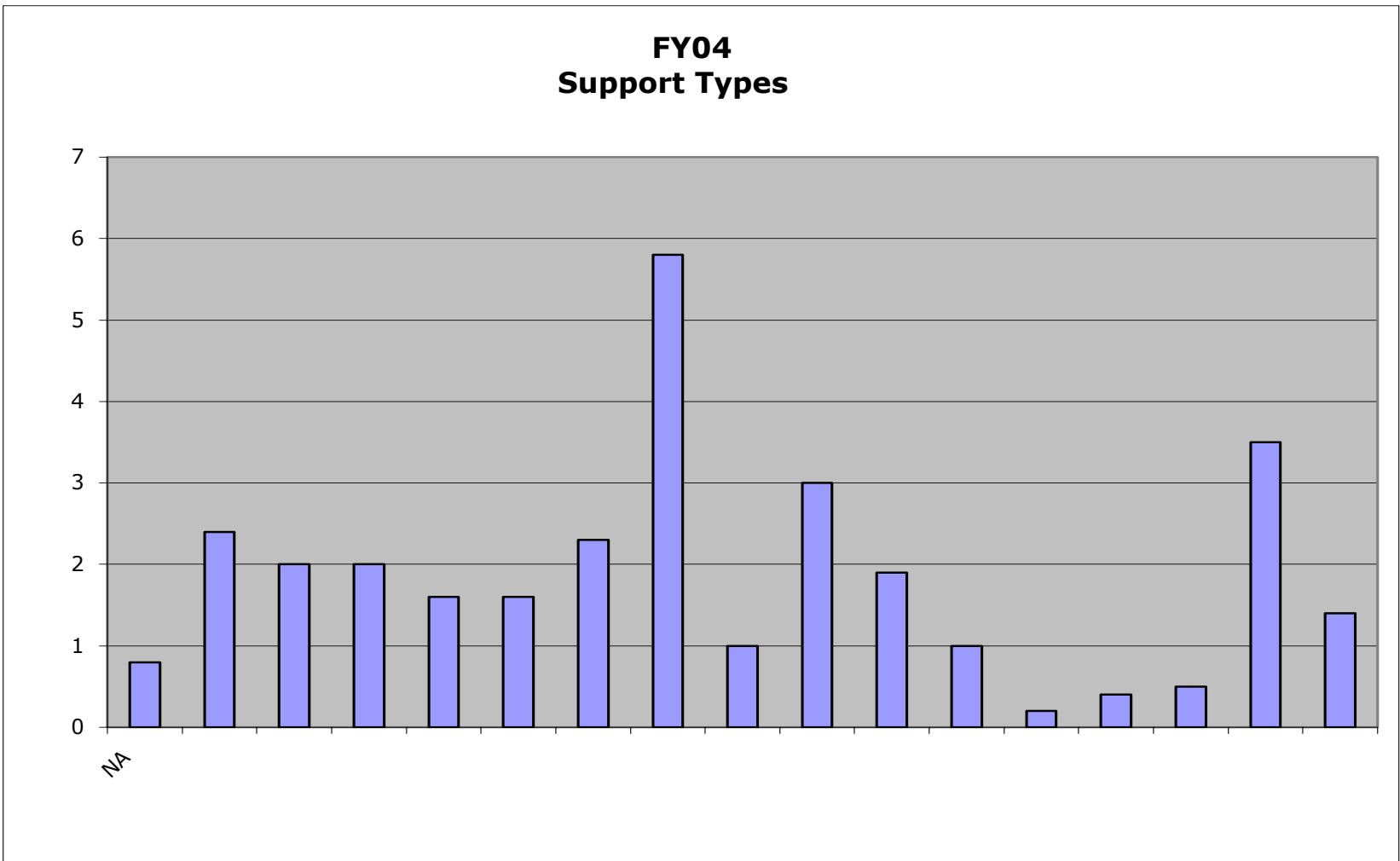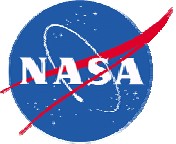
Staffing Overview

FY04 Business Types

Legend
AFA
AISE - TECHNOLOGY
AISE - UNIQUE
ISE - DIRECTED, STANDARD
ISE - PRIMARY WORK, SPECIALIZED INVESTMENT
ISE - PRIMARY WORK, STANDARD
ISSI - ADMIN IT
ISSI - FAC MGMT
ISSI - OTHER
ISSI - SYS ADMIN
MANAGEMENT

Pie chart values: 3%, 2%, 8%, 8%, 2%, 30%, 6%, 5%, 23%, 3%, 10%
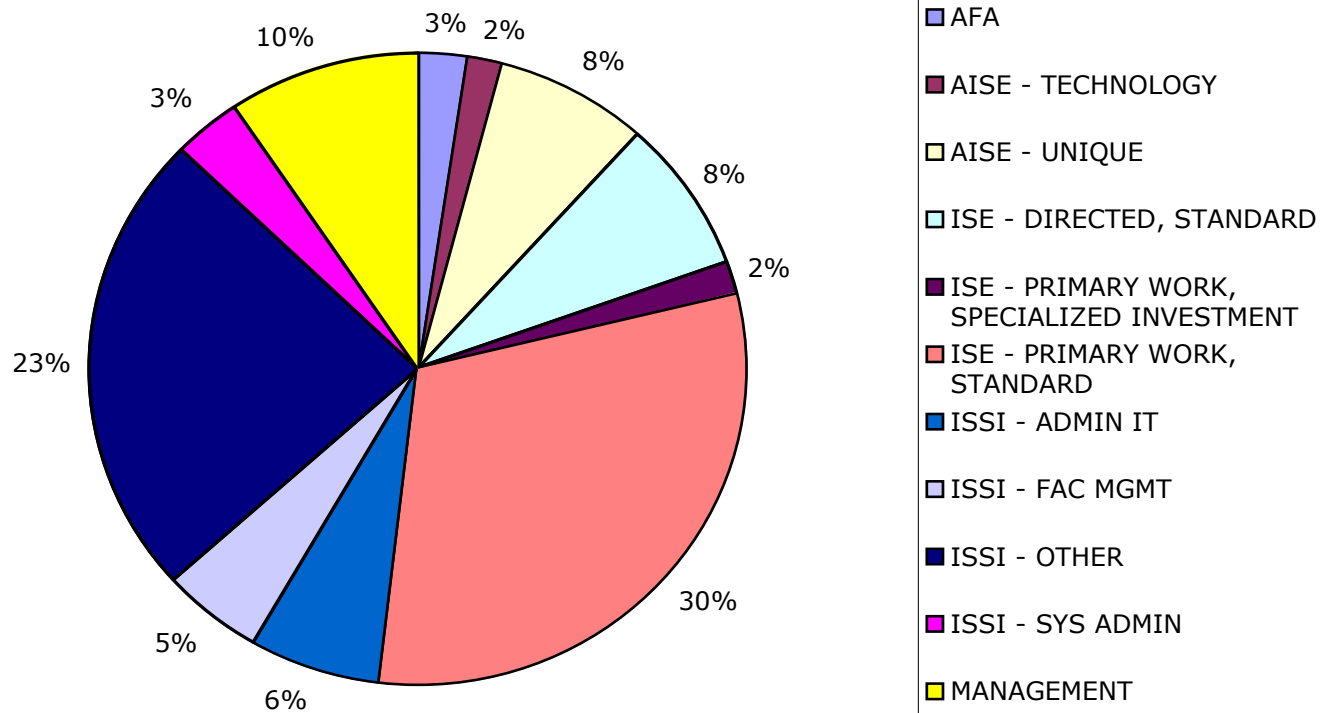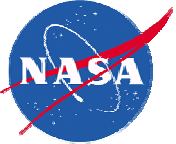
Project Summary

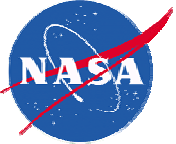| Project	Jun	Jul	Aug	Last Status	CS	Delta -CS	SSC	Status
Branch								
Infrastructure Plan	G	G	G	Feb Õ04	3		11	AD and XP roll-out continues
Agency detail	-	-	-		1			Detail to NCS
ANW	-	-	-		0.8	-0.6		Available for New Work, Bill Redisch retired!
Info Mgmt.								
Inside AETD, Legal, 508, EP GOBBS, IT Standards	G	G	G	July Õ03	5.2	0.8		Cost Proposal Appl., Legal Appl.. Web standards
Security								
GITSVITS	G	G	G		1			On-going e.g. IG reports
Internal Audit	G	G	G		0.5			Reviewing new guidance for IT security! Next Interna Audit - 9/04; Lab Manager Training underway!
Other								
Safety	G	G	G	Sept. Õ03	0.2	-0.2		ISD Safety Officer presentation for new employees presented; Internal safety audits on-going!
Outreach	G	G	G	October Õ02	1			2004 : 15 students; 9 week duration
FOM	G	G	G		1.6			On-going
600								
Data support for LHEA	G	G	G		1			On-going;
900								
TOMS DA	G	G	G		0.3	-0.4		Final Transition to V.8 of Production TOMS system
Code 916 CSO	G	G	G		0.7	0.4		Working e-mail server reduction issue
SDCD Network	G	G	G		2.2	-1		Installing an automated NESSUS scanning box that scan the wireless users
Harlie DA	G	G	G		0	-0.1		Delivery of Harlie DA system complete

Project Summary

Project	Jun	Jul	Aug	Last Status	CS	Delta -CS	SSC	Status
TDRSS								
White Sands Support	G	G	G		1			On-going
ESDIS								
I&T	G	G	G		1			DAACs have migrated to ECS Custom Code V.7 - required for new ECS (6/05)
Networking	G	G	G	August Ō04	0.5	1		Build a more resilient communication triangle betw GSFC (EOC) - Gilmore Creek - Poker Flats (Alask ground station)
Security	G	G	G	August '04	0.5			All security issues closed
DAAC Eng.	G	G	G	June '04	0.9			Submitted SOW, Interagency Agreement (IAA), ar house Cost Estimate for the ORNL-DOE next con
EDOS	G	G	G		0.5			Final release for AURA working well.
GMSEC								
In-house Team	G	G	G		2.8	1.1		Portal Interface on target
Accounting support for GMSEC			G		0.001			Utilizing Code 600 Data Support
HST								
LAN Admin.	G	G	G		1			On-going
SSMO								
Security	G	G	G		1			On-going

Project Summary

Project	Jun	Jul	Aug	Last Status	CS	Delta -CS	SSC	Status
IFMP								
Contract Management	N/A	N/A	N/A		0	-1		Walt transferred to code 590
Budget Formulation	G	G	G	February Ō02	1			BF roll-out for 9/13/04 has been halted by the Agency Comptroller
Pre-launch Missions								
Swift Mission Readiness Testing	N/A	N/A	N/A		0	-0.75		Debbie Ladwig transfered to HQ
InFocus	N/A	N/A	N/A		0	-1		Helen Newman retired!
JWST SOC	G	G	G	May Ō03	1			Completed pricing report to re-plan change order; Negotiations saved ~$5M.
NPP SDS	Y	Y	Y		0	-0.7		Working actions from Confirmation Concept Review 6/23/04
NPP Requirements	G	G	G		0.7	0.7		Performing Mission Level Requirements verification across NASA, IPO, and NOAA ; Managing the generation of the NPP Architecture Description Document (ADD)
Technology								
ASF	G	G	G		0.5			Coding of user Interface underway!
ADG	G	G	G		0.5	-0.45		Configure Hierarchical Data Format (HDF) tools on the ADG server and on the scientist's workstation for demonstration

Acronyms

ADG	Advanced Data Grid
ASF	Adaptive Sensor Fleet
BAH	Booz Allen Hamilton
BF	Budget Formulation
CET	Computing Environments and Technology
CM	configuration management
CSO	Computer Security Official
dMDR	delta Mission Definition Review
DA	data analysis
DAAC	Distributed Active Archive System
DR	discrepancy report
ECS	EOS Core System
EMD	Engineering and Development Services
ESDIS	Earth Science Data Information System
ESMO	Earth Science Mission Operations
FDS	Flight Dynamics System
FOM	Facility Operations and Maintenance
FOR	Flight Operations Review
FSW	flight software
GISS	Goddard Institute for Space Science
GITSVST	Goddard Information Technology Security Vulnerability Scanning Team
GMSEC	GSFC Mission Services Evolution Center
HST	Hubble Space Telescope
ICD	Interface Control Document
ICT	Interface Confidence Test
I/F	interface
ISO	International Standards Organization

I&T	integration and test
JWST	James Webb Space Telescope
LEP	Laboratory for Extraterrestrial Physics (696)
LA	Laboratory for Atmospheres
LAN	Local Area Network
LHEA	Laboratory for High Energy Astrophysics
MEDS	Multidisciplinary Engineering and Development Services
MLA	Mercury Laser Altimeter
MOSS	Mission Operation Science System
MRT	Mission Readiness Test
NEX	NASA Excepted positions
NISN	NASA Integrated Services Network
NPOESS	National Polar Orbiting Environmental Satellite System
NPP	NPOESS Preparatory Project
NSSDC	National Space Science Data Center
OC3	Optical Carrier-3; 155 mbps data rate
OMI	Ozone Mapping Instrument
ORNL	Oak Ridge National Laboratory
PODAAC	Physical Oceanography DAAC
RF	Radio Frequency
SCIF	Spacecraft Interface Test
SDCD	Space Data and Computing Division
SDP	science data processing
SDS	Science Data Segment
SEDAC	Socio Economic Data and Application Center
SN	Space Network
SOC	Science and Operations Contract
SOHO	Solar and Heliospheric Observatory
SOW	statement of work
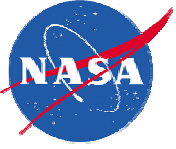
Acronyms

SSMO	Space Science Mission Operations
ST-5	Space Technology 5
STScI	Space Telescope Science Institute
SW	software
TDRSS	Tracking & Data Relay Satellite System
TOMS	Total Ozone Mapping System
VMOC	Virtual Missions Operations Center
VDB	Verification Database
VSEP	Visiting Student Enrichment Program
XML	Extensible Markup Language